

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0127931

Owner: Missouri Tie & Timber, Inc.
Address: Highway 72 West, Reynolds, MO 63666

Continuing Authority: Same as above
Address: Same as above

Facility Name: Missouri Tie & Timber, Inc.
Address: Highway 72 West, Reynolds, MO 63666

Legal Description: NE ¼, SE ¼, Sec.6, T31N, R1W, Reynolds County

Receiving Stream: Tributary to Upper Logan Creek (U) Losing Stream
First Classified Stream and ID: Logan Creek (P)(02763)
USGS Basin & Sub-watershed No.: (11010007-050001)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION:

All Outfalls - Storm water runoff only - SIC #2421/2448/2491

This permit authorizes only wastewater, including storm waters, discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

October 18, 2002
Effective Date


Stephen M. Mahford, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

October 17, 2007
Expiration Date

Jim Hull, Director of Staff, Clean Water Commission

REQUIREMENTS

NOTE: These requirements do not supersede nor remove liability for compliance with county or other local ordinances.

1. **The permittee is responsible for the development and implementation of a Storm Water Pollution Prevention Plan (SWPPP).** The SWPPP must be prepared within 180 days and implemented within 360 days of permit issuance. The SWPPP must be kept on-site and a copy shall be sent to DNR's Water Pollution Control Program for review and approval. The permittee shall select, install, use, operate, and maintain the Best Management Practices prescribed in the SWPPP in accordance with the concepts and methods described in the following document:

Storm Water Management For Industrial Activities, Developing Pollution Prevention Plans and Best Management Activities, (Document number EPA 832-R-92-006) published by the United States Environmental Protection Agency (USEPA) in September 1992.

The SWPPP must include the following:

- (a) An assessment of all storm water discharges associated with wood treating operations. This must include a list of potential contaminants and an annual estimate of amounts that will be used in the described activities.
 - (b) A listing of Best Management Practices (BMPs) and a narrative explaining how BMPs will be implemented to control and minimize the amount of potential contaminants that may enter storm water.
 - (c) A narrative explaining how RCRA and CERCLA requirements for this type of operation are being met.
 - (d) A schedule for implementing the BMPs within 360 days of permit issuance.
 - (e) The SWPPP must include a schedule for monthly site inspections and a brief written report detailing the inspection findings. The inspections must include observation and evaluation of BMP effectiveness, deficiencies, and corrective measures that will be taken. Deficiencies must be corrected within seven days. Inspection reports must be kept on site with the SWPPP. These must be made available to DNR personnel upon request.
 - (f) A provision for designating an individual to be responsible for environmental matters.
 - (g) A provision for providing stormwater training to all personnel involved in material handling and storage, and housekeeping of maintenance and cleaning areas. Proof of training shall be submitted on request of DNR.
 - (h) A provision for sawdust or other waste materials piles to be managed to control the amount of precipitation that is allowed to infiltrate. The following Best Management Practices are suggested:
 - (1) Limit storage time of sawdust to prevent degradation and generation of leachate;
 - (2) Divert storm water around sawdust piles with stabilized ditches, swales, and/or berms;
 - (3) Cover and/or enclose sawdust piles to prevent contact with storm water by using silos, van trailers, sheds, roofs, buildings, or tarps. Sawdust piles and residues shall not be located within the 10 year flood plain.
2. **The permittee is responsible for the development of an annual summary operating report that must be submitted by October 28 of each year (notwithstanding any reporting requirements contained in the attached "Standard Conditions").** The report shall detail any unusual occurrences such as spills, tank failures or overflows, ruptured piping, fishkills, fire fighting activities, or other upsets which resulted in any loss of product. Product includes, but is not limited to fuels, paints, and deicing/anti-icing chemicals. The report shall also detail any remedial work undertaken to recover product or clean up the site. The report must also indicate if nothing unusual has occurred.

REQUIREMENTS (continued)

3. Collection facilities shall be provided on-site, and arrangements made for proper disposal of waste products, including but not limited to substances used to treat wood, petroleum waste products, sawdust, wood scraps, and solvents.
4. All fueling facilities present on-site shall adhere to applicable federal and state regulations concerning underground storage, above ground storage, and dispensers, including spill prevention, control and counter measures.
5. Substances, including wood treating chemicals, regulated by federal law under the Resource Conservation and Recovery Act (RCRA) or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) that are transported, stored, or used on site shall be managed according to the provisions of RCRA and CERCLA.
6. All treated wood and substances used to treat wood, paint, solvents, petroleum products and petroleum waste products (except fuels), shall be stored so that these materials are not exposed to storm water. Spill prevention, control, and/or management shall be provided sufficient to prevent any spills of these pollutants from entering waters of the state. Any containment system used to implement this requirement shall be constructed of materials compatible with the substances contained and shall also prevent the contamination of groundwater.
7. The discharge of storm water from these facilities shall not cause a violation of the state water quality general criteria 10 CSR 20-7.031(3). The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (e) There shall be no significant human health hazard from incidental contact with the water;
 - (f) There shall be no acute toxicity to livestock or wildlife watering;
 - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.
8. Report as no-discharge when a discharge does not occur during the report period.
9. Water that has accumulated in secondary containment areas must be analyzed for possible contamination. When the presence of contaminants is indicated, water shall receive the appropriate treatment before release or taken to a permitted treatment facility if it does not meet permit limits.
10. There shall not be a release of polychlorinated biphenyl compounds (PCBs) to waters of the state at or above the level of quantification defined as 0.5 ug/L or 0.5 ppb.

REQUIREMENTS (continued)

11. Within thirty (30) days of permit issuance, permittee shall construct a permanent marker or monument at or near all sampling locations. These markers shall have displayed appropriate instructions that indicate where the sample is to be taken.
12. This permit may be reopened and modified, or alternatively revoked and reissued, to:
 - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
 - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

13. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That the permittee will start treating wood at this site. Notice of pending start-up shall be submitted to the Director sixty (60) days prior to the date that wood treating operations are to commence.
- (b) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following "notification levels":
 - (1) One hundred micrograms per liter (100 ug/L);
 - (2) Two hundred micrograms per liter (200 ug/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
 - (4) The level established in Part A of the permit by the Director.
- (c) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.

14. Reporting of Effluent Violations

If any of the sampling results from any of the sampling locations show any violation of the permit discharge limitations, written notification shall be made to the Department of Natural Resources within five (5) days of notification of analytical results. Notification shall indicate the date(s) of sample collection, the analytical results, and permit number, and shall include a statement concerning the revisions or modifications in management practices that are being implemented to address the violation of the limitations that occurred.

After a violation has been reported, a sample of storm water runoff resulting from the next rainfall greater than 0.1 inches shall be collected at the location(s) for which the violation occurred. Analytical results of this sample shall be submitted in writing to the Department of Natural Resources (this paragraph superseded Part I, Section B: e. A. Noncompliance Notification).

15. Records Retention and Reporting

Monitoring reports shall be submitted within 28 days after the end of each quarter.

All sampling data shall be maintained by the permittee for a period of five (5) years and shall be supplied to the Department of Natural Resources upon written request (supercedes Part I. Section A: 7. Records Retention). A copy of all of the sampling data must be submitted with an application of reissuance of this permit.

DRY WEATHER DISCHARGES

Dry weather discharges are discharges from stockpiled sawdust or other waste materials at least 48 hours after a rainfall event.

One of the semi-annual dry weather flow samples may be collected in any month of the first half of the year (beginning with January - sample results to be reported in June) and another sample to be collected in any month of the second half of the year (beginning with July - sample results to be reported in December), but both samples must be from a discharge that actually leaves the property or enters waters of the state (Upper Logan Creek) on the property, as defined in 10 CSR 20-2.010(82). If no such discharge occurs during the sampling period, record as "no discharge" for that portion of the year.

STORM WATER SAMPLING REQUIREMENTS

See the monitoring and limitations page for requirements.

					PAGE NUMBER 6 of 9	
A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PERMIT NUMBER MO-0127931	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall #001</u>						
Flow	MGD	*		*	once/quarter**	24 hr. estimate
pH - Units	SU	***		***	once/quarter**	grab****
Total Settleable Solids	mg/L	1.5		1.0	once/quarter**	grab****
Total Suspended Solids	mg/L	70		50	once/quarter**	grab****
Chemical Oxygen Demand	mg/L	120		90	once/quarter**	grab****
Total Petroleum Hydrocarbons	mg/L	15		10	once/quarter**	grab****
Oil and Grease	mg/L	15		10	once/quarter**	grab****
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>January 28, 2003</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 7 of 9	
PERMIT NUMBER MO-0127931						
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Outfall #001 - Chlorophenolic & Creosote Constituents (see Note 1)						
Pentachlorophenol	µg/L	1.0		1.0	once/quarter**	grab****
2,4,6-Trichlorophenol	µg/L	2.0		2.0	once/quarter**	grab****
2,3,4,6-Tetrachlorophenol	µg/L	<10		<10	once/quarter**	grab****
2-Chlorophenol	µg/L	0.1		0.1	once/quarter**	grab****
2,4-Dimethylphenol	µg/L	540		540	once/quarter**	grab****
2,4-Dinitrophenol	µg/L	70		70	once/quarter**	grab****
3-Methyl-4-Chlorophenol	mg/L	3.0		3.0	once/quarter**	grab****
3,4-Benzofluoranthene	ng/L	4.4		4.4	once/quarter**	grab****
Anthracene	mg/L	9.6		9.6	once/quarter**	grab****
Acenaphthene	mg/L	1.2		1.2	once/quarter**	grab****
Acenaphthylene	µg/L	<10		<10	once/quarter**	grab****
Benzene	µg/L	5.0		5.0	once/quarter**	grab****
Benzo(A)Anthracene	ng/L	4.4		4.4	once/quarter**	grab****
Dibenzo(A,H)Anthracene	ng/L	4.4		4.4	once/quarter**	grab****
Benzo(A)Pyrene	µg/L	0.049		0.049	once/quarter**	grab****
Benzo(K)Fluoranthene	ng/L	4.4		4.4	once/quarter**	grab****
Chrysene	ng/L	4.4		4.4	once/quarter**	grab****
Ethylbenzene	mg/L	0.32		0.32	once/quarter**	grab****
Fluoranthene	mg/L	0.3		0.3	once/quarter**	grab****
Flourene	mg/L	1.3		1.3	once/quarter**	grab****
Indeno(1,2,3-CD)Pyrene	ng/L	4.4		4.4	once/quarter**	grab****
Naphthalene	µg/L	20		20	once/quarter**	grab****
Phenanthrene	ng/L	4.4		4.4	once/quarter**	grab****
Phenol	mg/L	0.1		0.1	once/quarter**	grab****
MONITORING REPORTS SHALL BE SUBMITTED QUARTERLY; THE FIRST REPORT IS DUE January 28, 2003. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED Part I STANDARD CONDITIONS DATED October 1, 1980, AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 8 of 9	
					PERMIT NUMBER MO-0127931	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Outfall #001 - Chlorophenolic & Creosote Constituents (see Note 1) (continued)						
Pyrene	mg/L	0.96		0.96	once/quarter**	grab****
Methyphenol	µg/L	1.0		1.0	once/quarter**	grab****
Toluene	mg/L	1.0		1.0	once/quarter**	grab****
Xylenes (Total)	mg/L	10.0		10.0	once/quarter**	grab****
MTBE	mg/L	*		*	monitoring only	
Guaiacol	mg/L	*		*	monitoring only	
Outfall #002 - Dry Weather Discharges (Note 2)						
Flow	MGD	*		*	twice/year	24 hr. estimate
Chemical Oxygen Demand	mg/L	120		90	twice/year	grab*****
Biochemical Oxygen Demand	mg/L	*		*	twice/year	grab*****
pH - Units	SU	***		***	twice/year	grab*****
Total Suspended Solids	mg/L	70		50	twice/year	grab*****
Color*****		*		*	twice/year	grab*****
MONITORING REPORTS FOR DRY WEATHER DISCHARGES SHALL BE SUBMITTED <u>BI-ANNUALLY</u> ; THE FIRST REPORT IS DUE <u>January 28, 2003</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** One sample must be taken during each quarter ending in January, April, July & October.
- *** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
- **** A representative grab sample shall be taken 30 to 60 minutes after stormwater discharge begins.
- ***** Description of the visual appearance of the effluent. For example: clear, cloudy, green, black, etc.
- ***** A representative grab sample shall be taken at least 48 hours after a rainfall event. Results of the sample taken during the first half of the year are to be reported in the month of June and the results of the sample taken in second half of the year are to be reported in the month of December.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

Note 1: The **Monthly limitation** for each chemical listed below Creosote Constituents and Chlorophenolic & Creosote Constituents (that does not have a water quality criterion) is less than the quantification level set by standard methods. The **Daily limitation** for each chemical listed below Creosote Constituents and Chlorophenolic & Creosote Constituents (that does not have a water quality criterion) is less than the quantification level set by standard methods. The quantification level is indicated in the EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS table for each analyte.

Note 2: Dry weather discharges are discharges from stockpiled sawdust or other waste materials at least 48 hours after a rainfall event.

DUTY TO COMPLY

The permittee shall comply with all conditions of this permit. Any noncompliance with this permit constitutes a violation of Chapter 644, Missouri Clean Water Law, and 10 CSR 20-6. Noncompliance may result in enforcement action, termination of this authorization, or denial of the permittee's request for renewal.

TERMINATION OF PERMIT

If activities covered by this permit have ceased and this permit no longer applies, the permittee shall request termination of this permit by submitting a completed Form J - REQUEST FOR TERMINATION OF A STATE OPERATING PERMIT.